

## SCIENCE AND ENGINEERING INDICATORS PROGRAM

The Science and Engineering Indicators Program (IND) is responsible for the Division's cross-cutting overview and international reports. IND compiles and analyzes data from special studies, Science Resources Studies Surveys, and other national and international sources to produce the biennial congressionally mandated report, *Science and Engineering Indicators*. The *Indicators* report is produced under the guidance of the National Science Board, and is the National Science Foundation's (NSF) flagship quantitative report.

In addition, the IND program develops and publishes a number of specialized indicator series, particularly in the area of science and technology (S&T) output and impact indicators. These series include patent data, bibliometric indicators, high-technology trade data, information on innovation activities, and survey data on public attitudes toward and understanding of science and technology.

A major aspect of the IND program involves the development of international comparisons for all the S&T indicators areas. The program is the focal point both in the Division and at NSF for international S&T indicators activities, plus reporting U.S. data to international organizations such as the Organisation for Economic Cooperation and Development and the United Nations Educational, Science and Cultural Organization. Periodic and special publications produced in the group include the following:

- ◆ *Science and Technology Pocket Data Book*  
The *Pocket Data Book* is a quick and portable reference to selected data series of the *Science and Engineering Indicators* report. The *Pocket Data Book* provides both charts and tables and complements the National Science Board's *Science and Engineering Indicators* report.

Other special and occasional reports

- ◆ *The Science and Technology Resources of Japan: A Comparison with the United States*  
This report provides some key trends on science investments and outcomes, particularly in human resources for science.
- ◆ *Human Resources for Science and Technology: The Asian Region*  
This report provides for the first time a consistent database on human resources for science and engineering in six Asian economies—the People's Republic of China (China), India, Japan, Singapore, the Republic of Korea (South Korea), and the Republic of China (Taiwan).
- ◆ *Human Resources for Science and Technology: The European Region*  
This report provides for the first time a consistent database on human resources for science and engineering in the European countries. It also provides a great deal of information and background on the research expenditures and areas of emphasis of the European Union and member countries.
- ◆ *Asia's New High-Tech Competitors*  
This report continues in a series of analytical reports that also provide new data and insights on foreign S&T capabilities. It examines technology and trade capabilities in nine Asian economies: Japan, Hong Kong, Singapore, South Korea, Taiwan, China, India, Indonesia, and Malaysia.

## REPORT

## NSF NUMBER

### Topical Reports

<i>The Science and Technology Resources of Japan: A Comparison with the United States</i> .....	97-324
<i>Science and Technology Pocket Data Book: 1996</i> .....	96-325
<i>Human Resources for Science and Technology: The European Region</i> .....	96-316
<i>Asia's New High-Tech Competitors</i> .....	95-309

### Data Brief

“Western Europe Leads the United States and Asia in Science and Engineering Ph.D. Degree Production” .....	96-330
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### Issue Briefs

“International Mobility of Scientists and Engineers in the United States—Brain Drain or Brain Circulation” .....	98-316
“Japan Hopes to Double Its Government Spending” .....	97-310

### Reports of the National Science Board

<i>Science &amp; Engineering Indicators:</i>	
1998 .....	NSB 98-1
1996 .....	NSB 96-21